IN THE CLAIMS

1	y .	A method of chemical vapor deposition on a substrate comprising:
2		a) placing a substrate on a carrier and in a deposition chamber;
3		b) rotating said substrate;
4		c) heating said substrate, said heating applied to create a temperature
5		gradient above a deposition surface of said substrate wherein the
6		temperature increases with increasing distance from said deposition
7		surface; and
8		d) providing a flow of process gas across a surface of said substrate.
	2.	A method as recited in claim 1 wherein said heating brings said substrate to a
	temperature to	cause chemical vapor deposition.
ф	3.	A method as recited in claim 1 wherein said heating is accomplished with a first
21	heater radiating	g toward said deposition surface, and with a second heater radiating toward a back
3	surface of said	substrate.
T.	4.	A method as recited in claim 3 wherein said first heater radiates a different
2	amount of heat	t energy than said second heater.
1	5.	A method as recited in claim 4 wherein said heating includes a first thermal plate
2	between said	first heater and said substrate, and a second thermal plate between said second
3	heater and said	I substrate.
1	6.	A method as recited in claim 5 wherein said temperature gradient includes a
2	temperature difference in the range of 100°C to 200°C between said first plate and said second	
3	plate.	

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- 7. A method as recited in claim 1 wherein said providing includes supplying said process gas at a flow rate in the range of 200 sccm to 800 sccm.
- 8. A method as recited in claim 1 wherein said providing includes passing said process gas over said substrate at a gas velocity in excess of 100 cm/sec.
- 9. A method as recited in claim 1 wherein said providing includes injecting said process gas at said surface of said wafer with gas injectors so as to concentrate said gas at said surface.
 - 10. A method as recited in claim 9 wherein said gas injectors are temperature controlled.
 - 11. A method as recited in claim 9 wherein said gas injectors are directed at said deposition surface.
 - 12. A method as recited in claim 1 wherein said temperature gradient has a magnitude in the range of 50 to 100° C per inch.

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